

In the Abstract:

Please replace the paragraph at page 24, lines 2 to 18, with a replacement paragraph amended as follows:

~~The invention relates to~~ In an apparatus for ~~the determination of loadings~~ determining loads on fiber composite components (1), especially of vehicle and aircraft parts, ~~whereby the components (1) are provided with a prescribed number of sensor elements (3), for the determination of~~ strain gages (3) are integrated in the components (1) for determining strains. The ~~sensor elements~~ strain gages (3) are connected with an evaluating apparatus (4), ~~which is especially embodied for [[the]] monitoring and also for the determination of loadings~~ determining loads that tend to cause damage. The ~~apparatus is characterized in that the sensor elements are embodied as strain gages (3).~~ In that regard, the strain gages (3) are preferably integrated into the fiber composite component (1) ~~[[in]] such a manner so that the measuring grids (5) thereof are laid between [[the]] individual fiber layers (2) and are guided out of the fiber composite component (1) ready for connection via special connecting pins (8).~~ Via these connecting pins (8) the individual ~~strain gages (3) are connectable to the respective associated evaluating apparatus (4) via loose cable connections (12).~~